SAI KUMAR KOVOURI

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EDUCATION

Masters (CS) - University of Missouri, Columbia, Missouri | GPA 3.91/4.0   **Graduated:** December 2017

Bachelors (CS&E) - Osmania University, Hyderabad, India | GPA 3.8/4.0   **Graduated:** May 2013

PROFESSIONAL EXPERIENCE

Assessment Resource Center | Graduate Research Assistant   **Columbia, Missouri | June 2016 – December 2017**

- Programmed performance evaluation tool to assist researchers at the university with tracking goals, objectives and rubrics

- Built course evaluation platform in C# and AngularJS to receive input from students on their professor's performance

- Analyzed storage disks yielding low performance by writing fio script and parsed output files using python

Cisco Systems | Software Engineering Intern   **San Jose, California | May 2017 – August 2017**

- Built a real-time monitoring tool in python to capture and visually display resource utilization in a Hadoop cluster

- Performed a benchmark to analyze server performance running virtualized databases, tuned SUT for better throughput

NetCracker Technology Solutions | Associate Software Engineer   **Hyderabad, India | June 2013 – December 2015**

- Developed core modules of AT&T Card Manager in Java/J2EE, integrated it with Billing application using REST service

- Wrote shell scripts to automate production tasks through database interaction

- Built Implementation Plan tool in Java to send task updates during project release, which saved 150 IT hours annually

- Automated weekly defect report by developing a 3-tier interactive defect analysis dashboard in Java, HTML, C3.js

- Handled high priority system critical issues during migration of CAM servers from Convergys to NetCracker

- Programmed an automated tool in Python that sends RSS feeds to the whole team, to keep track of ongoing technology

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TECHNICAL SKILLS

Programming/ Scripting Languages: Java/J2EE, C#, Python, PHP, JavaScript, Shell Scripting

Platform/Frameworks: Struts, Spring, JAX-RS, JAX-WS, AngularJS, ReactJS, Redux, JMS, Laravel, Web services

Other skills: Unix, C3.js, MySQL, Oracle, Postgres, MongoDB, Virtualization, AWS, Docker, SVN, Git, JUnit

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ACADEMIC PROJECTS

- Implemented software defined network to intelligently stream videos using Openflow controller *(Java, PHP, MySQL, AWS)*

- Trained support vector machine to classify ALL and AML cancer type *(Matlab, Python)*

- Analysis and prediction of socio-economic trends in movie industry using decision trees and regression analysis *(R, Python)*

- Developed an Android application, which aimed at finding the possible ways to measure visual acuity errors *(Java, Matlab)*

- Built an Android application at HackMizzou, which gives a complex algebraic expression to solve *(Android SDK, Java)*

- Developed Instant Messenger with RSA encryption, a Java-based application that provides secure instant messaging

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ACHIEVEMENTS

- Received Spotlight Excellence Employee award for best performance at NetCracker   **2014**
- Certified by EMC[2] on Information Storage Associate Version 2   **2013**
- Cleared proficient level certification in UNIX and Shell scripting at NetCracker   **2013**